

Model SIL

Depth and Level Transmitter with Local Indication

Description

SIL model, has Case Protection(IP67), Sensor Protection(IP68) is able to use in an outdoor area and at the place is required to be waterproofed. With 4-1/2 Digit Backlight LCD, it can not only display up to ± 19999 but also is visible from the dark place. Its functions, Analog output, Relay output and RS-485 communication, Pressure Unit convertor and Scale adjustment can be utilized with a variety of controller. In addition, it can perform atmospheric compensation and use in seawater with the polyurethane vented cable.

Features

- ▶ 4 1/2 digit Backlight LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Optional 2-channel Relay output, RS485
- ▶ Measuring range 0~350m(35kgf/cm²)
- ▶ 0.2%FS accuracy
- ▶ Fully sealed construction
- ▶ Vented polyurethane cable
- ▶ Stainless steel(316L) media-wetted materials

Applications

- ▶ Tank Level Measurement
- ▶ Deep Well Measurement
- ▶ Ship & Marine System
- ▶ Ground & Surface Water Monitoring
- ▶ Geophysical Application
- ▶ Water Supply & Reservoirs

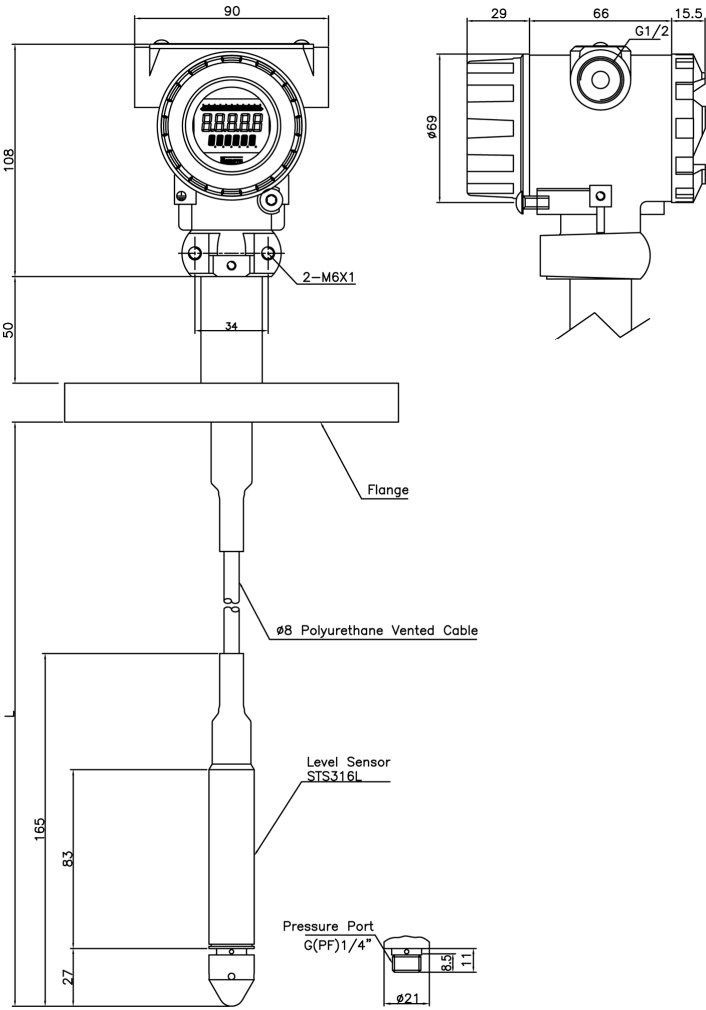


Specifications

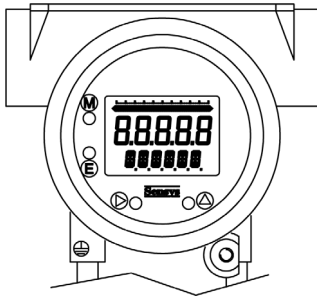
	2Wire Output	3Wire Output
Range		
	0~1 ... 350 mH ₂ O (Gauge)	0~10 ... 350 mH ₂ O (Absolute)
Performance		
Accuracy	±0.2%FS ± 1digit	
Thermal Effect on Zero	±0.03%FS/°C	
Thermal Effect on Span	±0.03%FS/°C	
Compensated Temperature Range	0 ~ 70°C	
Operating Temperature Range	-20 ~ 80°C	
Electrical		
Display	±19999(4 1/2) Backlight LCD	
Excitation	11~28VDC	17~28VDC
Output		
Analog	4~20mA(2Wire)	4~20mA(3Wire), 0~5V, 1~5V, 0~10V
Switching(Optional)	-	2Ch Relay(3A 30VDC / 3A 250VAC)
Digital(Optional)	-	RS485
Response Time	0.1~1sec	
Electrical Connection	G(PF) 1/2"	
Physical		
Proof Pressure	X3	
Burst Pressure	X4	
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Pressure Port		
Sensor Part	Nose cone, G(PF)1/4"	
Head Part	Flange & Other Connection Available on Request	
Media-Wetted Materials	Stainless Steel 316L	
Protection		
Sensor Part	IP68	
Head Part	IP67	

Dimension

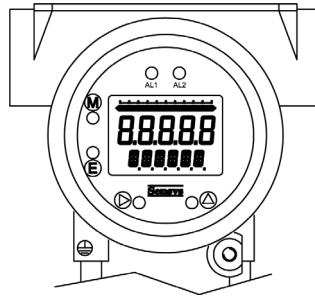
► Out Dimension



► Head Part Front Panel

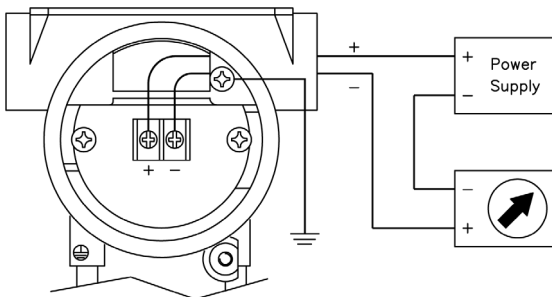


Non Switching Output Type

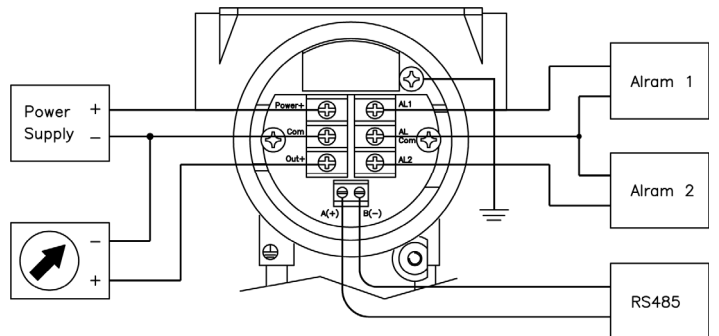


Switching Output Type

► Connection



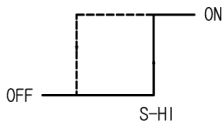
2Wire Output Type



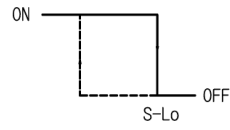
3Wire Output(Option : Switching Output, RS485)

Alarm Mode

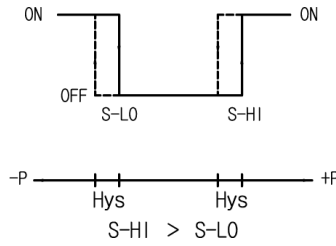
▶ Hi Mode



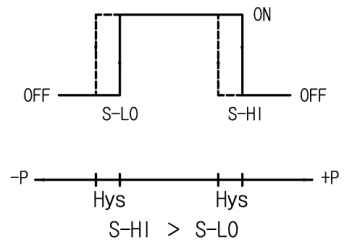
▶ Low Mode



▶ A Mode



▶ B Mode



Ordering Information

Model Name	SIL H A 0010 K J G - □	Option
Analog Output		Type of Pressure Measurement
C : 0~5V		G : Gauge
E : 1~5V		J : Absolute
G : 4~20mA(3Wire)		Head Part Connection
H : 4~20mA(2Wire)		J : Flange
J : 0~10V		V : Thread
Switching & Digital Output		*. Flange & Other Connection Available on Request
A : None		Pressure Unit
B : 2-Ch. Relay		R : kPa
C : RS485		M : MPa
D : 2-Ch. Relay, RS485		B : bar
Pressure Range		P : psi
XXXX : Pressure		K : kgf/cm ²
		H : mmHg
		C : cmH ₂ O